Price list

Physical Testing Laboratory (PTL)

ITEMS	PARAMETER	RANGE	ACCREDITATION	METHOD	PRICE	REMARK
Sample : Polymeric Materials and Rubber	Hardness Test	0-90 Shore A , 0-90 Shore D	0-90 Shore A , 0-90 Shore D	ASTM D2240 BS903 Part A26	500	
	Tensile Strength & Elongation	0.003-50 kN	Tensile Strength 0.03-2.45 kN	ASTM D412 BS903 Part A2 ASTM D638	500	
	Tensile Strength, Yield Strength & Elongation	0.003-50 kN	Tensile Strength 0.03-2.45 kN	ASTM D412 BS903 Part A2	500	
	Compression Set	Type A,B	-	ASTM D395 BS903 Part A6	500	
	Heat Resistance	0-250 ^{0}C	-			
	- Change in Hardness	0-90 hardness scale	0-90 Shore A , 0-90 Shore D	ASTM D573 BS903 Part A19	500	
	- Change in Tensile Strength & Elongation	0.003-50 kN	Tensile Strength 0.03-2.45 kN		500	
	Low Temperature Test	- 20 0C	-	BS	500	
	Bound Made During Vulcanize	0.003-50 kN	-	ASTM D429 BS903 Part A25	500	
	Ozone Resistance Test	0-300 pphm	-	ASTM D1149 BS903 Part A43	500	
	Modulus of Elasticity	-	-	ASTM	500	
	Modulus of Rupture	-	-	ASTM	500	
	Density, Sp. Gr.	-	-	ASTM D792	500	
	Tear Strength	0.003-50 kN	-	ASTM D1922	500	
	Tear Strength	0.003-50 kN	0.03-0.49 kN	ASTM D1044	500	
	Thickness	0-10 มม	-	ASTM, BS	500	
	Impact Strength	-	-	ASTM	500	
	Adhesion Strength	0.003-50 kN	-	ASTM	500	
	bending Strength	0.003-50 kN	-	ASTM	500	
	Melt Flow Rate	0.1-10 g//10 min	-	ASTM D1238 ISO1133 TIS 982	500	
	Melt Flow Rate (If sample preparation)	0.1-10 g//10 min	-	ASTM D1238 ISO1133 TIS 982	700	
	Light transmission testing			TIS 17-2532	1,200	
	Oxygen Index testing			IS0 4589-2 ASTM D2863	5,000	
	UL94 horizontal test :HB			UL94	5,000	

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Sample : Polymeric Materials and Rubber	Smoke Density tester			ASTM E662	8,000	
	A brasion Test	max. 40 m	-	ASTM D3389 (B)	500	
Analysis by Differential Scanning Calorimeter (DSC)		-50 ^{o} to 500 ^{o}C	-			
	Melting Temperature				1,000	
	Glass Transition Temperature				1,000	
	Zinc Content (%)			Based on ASTM D 6580	1,500	
	Oxidation Induction Time of PE Pipe				3,500	
	Purity Analysis			Based on ASTM E 928	2,000	
Analysis by Thermogravimetric Analyser (TGA)		Room Temperature to 1000 ^{o}C	-			
	Weight Loss (%)				1,000	
	Decomposition Temperature				1,000	
	Carbon Black Content (%)			Based on ISO 6964	1,000	
	Thermal stability			Depend on test method	Min.1,000	
Sample : Metal and Non-Metal						
	Bending Strength	0-100 Tonf	DIAMETER OF MENDEL : 24, 48		300	
			50 ,60,64,75,80 88 and 100mm			
	Burst Test	0-10,000 Psi	-		500	
	Coating Thickness	0-1000 µm	-		300	
	Compressive Test	0-100 Tonf	-		300	
	Expansion Test	0-10,000 Psi	-		500	
	Hardness Test	HRB,HRC,HRE,HRA,HRR, HRM,HRF	HRB,HRC,HRE,HMV	ASTM E8	75 / point, minimum 300 / 3 point	
		HV.(1kg -50 kg)		ASTM E92		
		HMV(0.01kg - 1kg)		ASTM E384-06		
		Brinell 0-3000 kg (10/3000)		ASTM E10		

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ITEMS	PARAMETER	RANGE	ACCREDITATION	METHOD	PRICE	REMARK
Sample : Metal and Non-Metal	Impact Strength	0-30 kg-m	-		350	
	Pressure Resistance	0- 8000 ib/in2	-		500	
	Roughness Test	Ra,Rg 0.002-50µm Rmax,other 0.01-250µm	-		minimum 600 / 3 point	
	Thickness	1 m	-		100 / point, minimum 300 / 3 point	
	Torsion Test	0-100,000 kg-cm	-		500	
	Ultimate Tensile Strength	0-1000 Kn		ASTM A 370 , E8	400	
	Ultimate Tensile Strength and Elongation		4-900 kN	มอก.244-2525		
	Ultimate Tensile Strength and Yield Strength					
	Fire Resistance Rolling Shutter		-			
		- Temperature 800 ^{o} c , in 6 hours			3,150	
		- Temperature 800 ^{o} c , in 2-4 hours			2,550	
Non Destructive Testing Service						
Radiographic Test (X-Ray)	Specimen Thickness 0-30 mm. (Fe)		-	ASME		
		- Film Size 3.5 × 7.5 in			300	
		- Film Size 3.5 × 17 in			300	
		- Film Size 14 × 17 in			400	
	Specimen Thickness 30-50 mm. (Fe)		-			
		- Film Size 3.5 × 7.5 in			300	
		- Film Size 3.5 × 17 in			300	
		- Film Size 14 × 17 in			500	

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ITEMS	PARAMETER	RANGE	ACCREDITATION	METHOD	PRICE	REMARK
Liquid Penetrant Testing				ASME		
	- Surface Preparation for specimen	10 in Long	-		300	
	- Defects examination for specimen	10 in Long	-		300	
Magnetic Particle Testing				ASME		
	- Surface Preparation for specimen	10 in Long	-		300	
	- Defects examination for specimen	10 in Long	-		300	
Motor	Determination of efficiency		-	IEEE Std 112		
		1 HP			6,700	
		> 1 HP to 7.5 HP			8,700	
		> 7.5 HP to 50 HP			12,100	
	Determination of efficiency		1 HP to 40 HP	IEC 60034-2		
		1 HP			5,600	
		> 1 HP to 7.5 HP			7,200	
		> 7.5 HP to 50 HP			9,300	