Specification Sheet

Description: **Thermoplastic Polyester Elastomer**
Material: **Rhino X02/000**

Property	Spec	Value
Hardness	ISO 868	55D
Density	ISO R1183	1.20 g/cm³
Flexural Modulus @		
-40ºC	ISO 178	760 N/mm²
+23ºC	ISO 178	207 N/mm²
+100ºC	ISO 178	110 N/mm²
Tensile Strength	ISO R527	40 N/mm²
Ultimate Elongation	ISO R527	500%
Tensile Stress @		
5% Strain	ISO R527	6.9 N/mm²
10% Strain	ISO R527	10.3 N/mm²
Shear Modulus	ASTM D 4065	90 N/mm²
Izod Impact Notch @		
-40ºC	ISO R180	128 J/m
+23ºC	ISO R180	No break
Initial Tear Resistance, Die C	ISO 34	158 kN/m
Melting Point	ISO 3146	203° C
Vicat Softening Point	ISO 306	180° C
Water Absorption, 24hr	ISO 62	0.5%

Description:

Thermoplastic Polyester Elastomer offers a diversified range of mechanical, physical and chemical properties that enable this material to handle demanding applications. TPE material combines the most desirable attributes of elastomers and flexible plastics. TPE material is known for its toughness, high resistance to creep, impact & flex fatigue. TPE is very chemical resistant, offers good low temperature flexibility and retains its physical properties at high temperatures. TPE can be injection molded as a method of manufacture.

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