

HYBRAR™ 5127

Thermoplastic Elastomer

Kuraray Co., Ltd.

Message:

HYBRAR™ 5127 is a Thermoplastic Elastomer (TPE) material. It is available in Asia Pacific, Europe, or North America.

General Information			
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.938	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Solution Viscosity - 30 wt% Toluene Solution (30°C)	540	mPa · s	
Styrene Content	20.0	wt%	
Peak Temperature of Tan	20	°C	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	84		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ISO 37
100% Strain	2.80	MPa	
300% Strain	4.70	MPa	
Tensile Stress (Yield)	12.4	MPa	ISO 37
Tensile Elongation (Break)	730	%	ISO 37
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	8.00	°C	DSC

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