

Pebax® Rnew 25R53 SP 01

Polyether Block Amide

Arkema

Message:

Polyether block amide Pebax® Rnew 25R53 SP 01 is a thermoplastic elastomer made of flexible polyether and rigid polyamide based on renewable resources. This SP grade has been developed to be heat and UV resistant.

General Information			
Features	Good UV Resistance		
	Medium Heat Resistance		
	Renewable Resource Content		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.01	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore D	26		
Shore D, 15 sec	22		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	34.0	MPa	ISO 527-2
Tensile Strain (Break)	> 750	%	ISO 527-2
Flexural Modulus	20.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	No Break		
23°C	No Break		
Charpy Unnotched Impact Strength			ISO 179
-30°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	62.0	°C	ISO 306/A
Melting Temperature	136	°C	ISO 11357-3
Additional Information	Nominal Value	Unit	Test Method
Renewable Carbon Conent	17 to 21	%	ASTM D6866
Injection	Nominal Value	Unit	
Drying Temperature	55.0 to 65.0	°C	
Drying Time	4.0 to 8.0	hr	

Processing (Melt) Temp	180 to 240	°C
Mold Temperature	10.0 to 30.0	°C
Extrusion	Nominal Value	Unit
Drying Temperature	55.0 to 65.0	°C
Drying Time	4.0 to 8.0	hr
Melt Temperature	170 to 210	°C

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

