

EPIGUM EXP/5065

Thermoplastic Elastomer

Crosspolimeri S.p.A.

Message:

EPIGUM: halogen-free thermoplastic materials.

EPIGUM EXP/5065: is high-performance thermoplastic material designed to survive long-term exposure to hot oil. Ideal for automotive and industrial applications where there is exposure to heat and/or oil.

It has excellent resistance to many mineral and synthetic motor oils, transmission fluids, and greases.

It is suitable in bondable to polyamides and to polyolefins via overmoulding (insert and 2-shot).

Readily recycled both in process and post consumer.

General Information			
Features	Bondability		
	Grease Resistant		
	Halogen Free		
	High Heat Resistance		
	Oil Resistant		
	Recyclable Material		
Uses	Automotive Applications		
	Industrial Applications		
	Overmolding		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.980	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (270°C/2.16 kg)	3.0 to 13	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	55		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	> 32.0	MPa	IEC 60811
Tensile Strain (Break)	> 300	%	IEC 60811
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	900	J/m	
-10°C	950	J/m	
23°C	800	J/m	
Thermal	Nominal Value	Unit	Test Method
Bending Test (-40°C)	No Crack		
Hot Set ¹			IEC 60811

200°C	15	%
Residual : 200°C	0.0	%
Extrusion	Nominal Value	Unit
Drying Temperature	80.0 to 90.0	°C
Drying Time	2.0 to 4.0	hr
Cylinder Zone 1 Temp.	220	°C
Cylinder Zone 2 Temp.	230	°C
Cylinder Zone 3 Temp.	230	°C
Cylinder Zone 4 Temp.	240	°C
Cylinder Zone 5 Temp.	240	°C
Die Temperature	250	°C
NOTE		
1.	20 N/cm ²	

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

