

EPIGUM DPE/55

Thermoplastic Vulcanizate

Crosspolimeri S.p.A.

Message:

EPIGUM DPE/55 is a thermoplastic elastomer.
EPIGUM DPE/55 is a dynamically crosslinked thermoplastic vulcanizate (TPV).

General Information			
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.0960	g/cm ³	ASTM D792
Moisture	0.030	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	55		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	4.50	MPa	ASTM D638
Tensile Elongation (Break)	390	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tensile Set (100% Strain)	7	%	ASTM D412
Tensile Stress ¹ (100% Strain)	1.40	MPa	ASTM D412
Tear Strength ² (23°C)	17.5	kN/m	ASTM D624
Compression Set (100°C, 22 hr)	27	%	ASTM D395B
Aging	Nominal Value	Unit	Test Method
Change in Mass (121°C, 24 hr)	80	%	ASTM D471
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -60.0	°C	ASTM D746
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	2.0 to 3.0	hr	
Cylinder Zone 1 Temp.	200	°C	
Cylinder Zone 2 Temp.	205	°C	
Cylinder Zone 3 Temp.	210	°C	
Cylinder Zone 4 Temp.	220	°C	
Cylinder Zone 5 Temp.	230	°C	
Die Temperature	230	°C	
NOTE			
1.	Die C		
2.	Die C		

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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

