

Generic MPR

Melt Processable Rubber

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic MPR
This information is provided for comparative purposes only.

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.08 - 1.31	g/cm³	ASTM D792
23°C	1.06 - 1.31	g/cm³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			
23°C	56 - 79		ASTM D2240
23°C	57 - 79		ISO 868
IRHD Hardness	47 - 93		ISO 48
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1.93 - 8.48	MPa	ASTM D638, ISO 527-2
Tensile Strength			
Yield, 23°C	4.81 - 13.1	MPa	ASTM D638
Yield, 23°C	6.89 - 13.1	MPa	ISO 527-2
Tensile Elongation			
Fracture, 23°C	300 - 670	%	ASTM D638
Fracture, 23°C	300 - 470	%	ISO 527-2
Taber Abrasion Resistance (23°C)	0.00100 - 9.00	mg	ASTM D1044
Elastomers	Nominal Value	Unit	Test Method
Tensile Set (23°C)	6 - 13	%	ASTM D412
Tensile Stress			
100% strain, 23°C	2.28 - 6.05	MPa	ASTM D412
100% strain, 23°C	2.50 - 5.95	MPa	ISO 37
Tensile Strength			
Yield, 23°C	6.49 - 11.9	MPa	ASTM D412
Yield, 23°C	7.85 - 11.2	MPa	ISO 37
Tensile Elongation			
Fracture, 23°C	300 - 680	%	ASTM D412
Fracture, 23°C	320 - 630	%	ISO 37
Tear Strength (23°C)	19.2 - 62.5	kN/m	ASTM D624
Compression Set			
--	12 - 89	%	ASTM D395

23°C	12 - 27	%	ISO 815
Aging	Nominal Value	Unit	Test Method
Change in Volume (23°C)	8.0 - 43	%	ASTM D471
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature			
--	-91.1 - -52.2	°C	ASTM D746
--	-91.0 - -52.2	°C	ISO 812
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity	115 - 870	Pa·s	ASTM D3835
Injection	Nominal Value	Unit	
Processing (Melt) Temp	166 - 177	°C	
Injection instructions			

This data represents typical values that have been calculated from all products classified as: Generic MPRThis information is provided for comparative purposes only.

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

