

RTP 2800 B-45A FR A

Thermoplastic Vulcanizate

RTP Company

Message:

Flame Retardant - PBDE Free

General Information			
UL YellowCard	E84658-102047001		
Features	Flame Retardant		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792
Moisture Content	0.030	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	45		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (100% Strain, 3.18 mm)	1.03	MPa	ASTM D412
Tensile Strength ² (Yield, 3.20 mm)	2.76	MPa	ASTM D412
Tensile Elongation ³ (Break)	480	%	ASTM D412
Tear Strength ⁴	13.1	kN/m	ASTM D624
Compression Set ⁵			ASTM D395B
23°C, 22 hr	16	%	
70°C, 22 hr	27	%	
100°C, 22 hr	50	%	
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	2.0	hr	
Dew Point	-17.8	°C	
Processing (Melt) Temp	182 to 210	°C	
Mold Temperature	15.6 to 65.6	°C	
Injection Pressure	82.7 to 124	MPa	
NOTE			
1.	Die C, 510 mm/min		
2.	Die C, 500 mm/min		
3.	Die C, 500 mm/min		
4.	Die C		
5.	Type 2		

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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

