

SUPREME SP 6721

SMMA

Supreme Petrochem Ltd

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	4.5	g/10min	ASTM D 1238
Temperature	200	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.0045	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	40.2	MPa	ASTM D 638
Flexural Modulus	2256	MPa	ASTM D 790
Flexural Strength	60	MPa	ASTM D 790
Izod Impact notched, 1/8 in	35	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	300	J/m	ASTM D 256

Other Standards^[5]

Rockwell Hardness	R 50	-	
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S: These properties are reported by the producer according standards that are different to our defaults.

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.6	mm	-
DTUL @ 264 psi	75	°C	ASTM D 648
Vicat Temperature	87	°C	ASTM D 1525

Optical properties	Value	Unit	Test Standard
ASTM Data			
Haze	1.5	%	ASTM D 1003

Other properties	Value	Unit	Test Standard
Density	1040	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	1	h	-
Melt temperature	180 - 240	°C	-
Mold temperature	50 - 70	°C	-

Characteristics**Processing**

Injection Molding, Other Extrusion, Thermoforming

Delivery form

Pellets

Special Characteristics

High impact or impact modified, Transparent

Features

High Gloss

Certifications

Food contact, Food approval FDA 21 CFR, RoHS compliant

Applications

IT / Business Machine, Packaging

Regional Availability

Near East/Africa