

SUPREME SP 6720

SMMA

Supreme Petrochem Ltd

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	4	g/10min	ASTM D 1238
Temperature	200	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.004	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	42.2	MPa	ASTM D 638
Flexural Modulus	2482	MPa	ASTM D 790
Flexural Strength	67.2	MPa	ASTM D 790
Izod Impact notched, 1/8 in	30	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	250	J/m	ASTM D 256

Other Standards^[5]

Rockwell Hardness	R 55	-	
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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	82	°C	ASTM D 648
Vicat Temperature	90	°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	1050	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, Thermoforming

Delivery form

Pellets

Special Characteristics

Transparent

Features

High Gloss

Certifications

Food contact, Food approval FDA 21 CFR, RoHS compliant

Applications

IT / Business Machine, Packaging

Regional Availability

Near East/Africa