

**SUPREME SP 6716**

SMMA

Supreme Petrochem Ltd

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
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
<b>ASTM Data</b>			
Tensile Strength at Yield	49	MPa	ASTM D 638
Flexural Modulus	2943	MPa	ASTM D 790
Flexural Strength	70.6	MPa	ASTM D 790
Izod Impact unnotched, 1/8 in	200	J/m	ASTM D 256
<b>Other Standards<sup>[S]</sup></b>			
Rockwell Hardness	R 70	-	-

S: These properties are reported by the producer according standards that are different to our defaults.

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.6	mm	-
DTUL @ 264 psi	85	°C	ASTM D 648
Vicat Temperature	100	°C	ASTM D 1525

Optical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Haze	2	%	ASTM D 1003

Other properties	Value	Unit	Test Standard
Density	1050	kg/m <sup>3</sup>	ASTM D 792
Bulk Density	600	kg/m <sup>3</sup>	-

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, Scratch Resistant

**Certifications**

Food contact, Food approval FDA 21 CFR, RoHS compliant

**Applications**

IT / Business Machine, Packaging

**Regional Availability**

Near East/Africa