

SUPREME SP 6712 XXXX

SMMA

Supreme Petrochem Ltd

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	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	56	MPa	ASTM D 638
Flexural Modulus	3000	MPa	ASTM D 790
Flexural Strength	80	MPa	ASTM D 790
Rockwell Hardness	R 78	-	ASTM D 785
Izod Impact unnotched, 1/8 in	150	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.6	mm	-
DTUL @ 264 psi	88	°C	ASTM D 648
Vicat Temperature	101	°C	ASTM D 1525

Optical properties	Value	Unit	Test Standard
ASTM Data			
Haze	1	%	ASTM D 1003
Light Transmittance	90	%	ASTM D 1003

Other properties	Value	Unit	Test Standard
Density	1060	kg/m ³	ASTM D 792
Bulk Density	600	kg/m ³	-

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	40 - 60	°C	-

Characteristics**Processing**

Injection Molding

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