

**SUPREME SM 506**

SMMA

Supreme Petrochem Ltd

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>2.5</b>	g/10min	ASTM D 1238
Temperature	<b>200</b>	°C	-
Load	<b>5</b>	kg	-
Mold Shrinkage, MD	<b>0.004</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Tensile Strength	<b>63</b>	MPa	ASTM D 638
Flexural Modulus	<b>3450</b>	MPa	ASTM D 790
Flexural Strength	<b>100</b>	MPa	ASTM D 790
<b>Thermal properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
UL 94 Flame rating	<b>HB</b>	-	UL 94
Thickness tested	<b>1.5</b>	mm	-
DTUL @ 264 psi	<b>86</b>	°C	ASTM D 648
Vicat Temperature	<b>102</b>	°C	ASTM D 1525
<b>Optical properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Haze	<b>0.3</b>	%	ASTM D 1003
Light Transmittance	<b>92.5</b>	%	ASTM D 1003
<b>Other properties</b>			
<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>	
Density	<b>1080</b>	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>	
Pre-drying - Temperature	<b>60 - 80</b>	°C	-
Pre-drying - Time	<b>3</b>	h	-
Melt temperature	<b>180 - 240</b>	°C	-
Mold temperature	<b>35 - 60</b>	°C	-

**Characteristics****Processing**

Injection Molding, Profile Extrusion, Sheet Extrusion, Other Extrusion

**Special Characteristics**

Transparent

**Features**

High Gloss, Scratch Resistant

**Certifications**

Food contact, Food approval FDA 21 CFR, RoHS compliant

**Applications**

IT / Business Machine, Toys

**Regional Availability**

Near East/Africa