

## SH400M

### Characteristics:

- High Gloss
- Medium Flow
- Good Balance of Toughness & Strength

### Processing:

- Moulding

### Applications:

- Air conditioner & cooler grills , refrigerator components
- Toys, camera parts for low end models, household articles
- Ball pen barrels, novelties, stationery items
- Washing machines & small appliances

Material Status	:	Commercially Active
Agency Ratings	:	FDA 21 CFR 177.1640

PROPERTY	ASTM TEST METHOD	TEST CONDITION	VALUE	UNIT
<b>Rheological</b>				
Melt Flow Index	D1238	200°C / 5kg	4 .0	gm / 10 min
<b>Thermal</b>				
Vicat Softening Point	D1525	120 °C /hr, 1kg	99	°C
HDT	D648	1.86 MPa	79	°C
<b>Mechanical</b>				
Tensile Strength	D638	50 mm/min	28	MPa
Elongation	D638	50 mm/min	20	%
Flexural Strength	D790	3.2 mm	43	MPa
Flexural Modulus	D790	3.2 mm	1800	MPa
Izod Impact (Notched)	D256	3.2 mm	80	J/m
<b>Flammability</b>				
Glow Wire Temperature	IEC 695-2-1	-	-	°C
Flammability*	UL 94	@1.6mm	HB	-
<b>General</b>				
Specific Gravity	D792	-	1.03	-
Gloss	D523	60°	92	%
<b>Processing Conditions</b>				
Melt Temperature	-	-	195-260	°C
Pre-drying Temperature	-	-	NA	°C
Mold Temperature	-	-	50-60	°C

Note: - Use of high injection speed, high melt & mold temperature is recommended for improved gloss.

\* Tested at SPL Laboratory.

Data presented in this catalogue are typical values of properties and are intended to serve as guide only. SPL reserves the right to review the content of this catalogue and revise.

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