

# USI

## HDPE

### LH523

Product information				
Manufacturer		USI Corporation		
Color		NC		
Material Shape		Pellets		
Process		Injection molding Coating		
Features		High glossHigh Specific GravityHigh hardnessHigh impactHigh stiffnessLow warpageStress crack resistanceGood moldabilityGood processability		
Application		Caulking tubes(ATV) bodyCoating applications		
Hardness	Condition	Standard	Value	Unit
Shore	Hardness D	ASTM D2240	68	
Mechanical behavior	Condition	Standard	Value	Unit
Elongation	Break	ASTM D638	300	%
Flexural	Modulus	ASTM D747	8200	kg/cm <sup>2</sup>
Izod	Notch Impact	ASTM D256	3.5	kg-cm/cm
Secant	Modulus 1% Molded	ASTM D638	7600	kg/cm <sup>2</sup>
Tensile	Strength Yield	ASTM D638	230	kg/cm <sup>2</sup>
Torsion	Modulus	ASTM D1043	9200	kg/cm <sup>2</sup>
Physical property	Condition	Standard	Value	Unit
Density		ASTM D792	0.956	g/cm <sup>3</sup>
Melt	Index	ASTM D1238	23	g/10min
Thermal	Condition	Standard	Value	Unit
Low	Temperature Brittleness F50	ASTM D746	-76.0	°C
Melting	Temperature	ASTM D3418	132	°C
Vicat	Softening Temperature	ASTM D1525	125	°C