



Preliminary RAVATECH RL-249-55A

ENSOFT

Product Description : This polyolefin based thermoplastic elastomer (SEBS) compound is produced with food contact compliant raw materials, specifically designed for adhesion to PBT, PC, ABS, PC/ABS,PET and completely recyclable. ENSOFT® series can be processed with conventional thermoplastics machinery

Additive Packages : D / Heat and UV stabilizer and lubricant /

Key Features : Adhesion to PBT, PC, ABS, PC/ABS,PET
Good ozone, UV and weathering resistance
Rubberlike elasticity in a wide temperature range
Easy colorability with proper MB (PE, PP, etc. based)

Process Method : Injection/multi injection molding

Uses : Soft touch grips, handles, consumer goods, home&kitchen appliances, automotive

| | Value | Unit | Standard |
|---------------------------------------|-------|----------|-----------------------|
| Physical | | | |
| Hardness | 55 | SHORE A | ISO 868 (3 second) |
| Density | 1,08 | gr / cm3 | ISO 1183 1-A |
| Mechanical | | | |
| 100% Modulus | 1,71 | Mpa | ISO 37(S1,500 mm/min) |
| 300% Modulus | 2,61 | Mpa | ISO 37(S1,500 mm/min) |
| Tensile Strength At Break | 3,6 | Mpa | ISO 37(S1,500 mm/min) |
| Elongation at Break | 538 | % | ISO 37(S1,500 mm/min) |
| Tear Strength (Perpendicular to flow) | 22 | N/mm | ISO 34-1 Method B |

Environmental Resistance

| | |
|----------------|-----------|
| Ozone | Excellent |
| Water | Excellent |
| Alcohol | Excellent |
| Olive Oil | Fair |
| Sulphuric Acid | Good |



Ravago Petrokimya Uretim A.S.



Preliminary RAVATECH RL-249-55A

ENSOFT

| | |
|-----------|------|
| Detergent | Good |
|-----------|------|

Drying Condition

| | |
|-----------------|-----|
| Drying Time(hr) | 2-3 |
|-----------------|-----|

| | |
|------------------------|-------|
| Drying Temperature(°C) | 60-80 |
|------------------------|-------|

Molding Condition (°C)

| | |
|-----------------------|---------|
| 1st Zone (hopper)(°C) | 180-190 |
|-----------------------|---------|

| | |
|--------------|---------|
| 2nd Zone(°C) | 190-200 |
|--------------|---------|

| | |
|--------------|---------|
| 3rd Zone(°C) | 200-205 |
|--------------|---------|

| | |
|------------|---------|
| Nozzle(°C) | 205-210 |
|------------|---------|

| | |
|----------------------|---------|
| Melt Temperature(°C) | 210-220 |
|----------------------|---------|

| | |
|----------------------|-------|
| Mold Temperature(°C) | 10-50 |
|----------------------|-------|

| | |
|------------------------------------|-----|
| Max Allowable Melt Temperature(°C) | 240 |
|------------------------------------|-----|

